WHAT IS CLAIMED IS:

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1. An endoscopic liquid feed device, said liquid feed device including a liquid feed port provided on a casing of a manipulating head assembly of an endoscope in communication with an internal liquid feed passage leading to a liquid injection port opened at a fore distal end portion of an insertion tube of said endoscope, and a mouth piece provided fixedly at said liquid feed port for detachably connecting a liquid feed adaptor to said liquid feed port at the time of feeding a liquid to said liquid injection port from a pressurized liquid feed means connected to said liquid feed adaptor, characterized in that: said liquid feed adaptor is constituted by a Luer-Lok member having a check valve member fitted on a fore end portion thereof, a stopper ring provided on outer periphery of said Luer-Lok member, and a nut member rotatably fitted on said Luer-Lok member and axially movable between said stopper ring and a flange portion provided at an outer proximal end of said Luer-Lok member; said mouth piece being provided with an external male screw portion on outer peripheral side thereof for threaded engagement with

said nut member, and formed with a Luer-Lok portion on inner

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a pressurized liquid feed means such as a syringe being detachably connectible to said Luer-Lok portion of said mouth piece in place of said liquid feed adaptor.

- 2. An endoscopic liquid feed device as defined in claim 1, further comprising a plug member adapted to be detachably connected to said mouth piece of said liquid feed port in place of said liquid feed adaptor.
- 3. An endoscopic liquid feed device as defined in claim 2, wherein said plug member is formed of a resilient material and constituted by a generally tubular main body portion adapted to be 3 detachably fitted on said mouth piece, a hook ring portion adapted to be constantly hooked on said mouth piece, and a flexible narrow strip 5 6 portion connecting said hook ring portion to said main body portion.
 - 4. An endoscopic liquid feed device as defined in claim 3, wherein said liquid feed adaptor is arranged to be connected to said

- mouth piece of said liquid feed port in overlapping relation with said
- 4 hook ring portion of said plug member.
- 5. An endoscopic liquid feed device as defined in claim 4,
- wherein said nut member of said liquid feed adaptor is arranged to
- seat on said hook ring portion of said plug member, causing
- 4 compressive deformation to said hook ring portion.
- 6. An endoscopic liquid feed device as defined in claim 1,
- wherein said check valve member is formed of a heat-resistant resilient
- material, and provided with a slit in a fore end face thereof.
- 7. An endoscopic liquid feed device as defined in claim 6,
- wherein said check valve member is formed integrally with said liquid
- 3 feed adaptor by insert molding.

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- 8. An endoscopic liquid feed device as defined in claim 7,
- wherein said check valve member is generally formed in a tubular

- shape having, on front side, an outside diameter substantially same as
- or larger than inside diameter of said Luer-Lok portion of said mouth
- 5 piece.
- 9. An endoscopic liquid feed device as defined in claim 1,
- wherein said nut member and said external male screw portion on said
- Luer-Lok portion of said mouth piece are engaged with each other
- through multiple thread screws.
- 10. An endoscopic liquid feed device as defined in claim 1,
- wherein said Luer-Lok member is provided with a flange portion at an
- outer proximal end for engagement with a syringed connected thereto,
- and said nut member is provided with an inwardly projecting rim
- portion having an inside diameter smaller than outside diameters of
- said flange portion and said stopper ring to prevent said nut member
- 7 from falling off.
- 11. An endoscopic liquid feed device as defined in claim 10,
- wherein said stopper ring is threaded on outer periphery of said Luer-

- 3 Lok member and fixedly bonded to the latter by the use of an
- 4 adhesive.
- 1 12. An endoscopic liquid feed device as defined in claim 11,
- wherein said stopper ring is engaged with a proximal end portion of
- said mouth piece of said liquid feed port through anti-rotational
- 4 locking means.